

**BT-5/D09****MULTIMEDIA AND VIRTUAL REALITY (2005-06)**

Paper : IT-359

Time : Three Hours] [Maximum Marks : 100

**Note :** Attempt *five* questions in all, selecting at least *one* question from each unit.**UNIT-I**

1. (a) Explain the various video compression and decompression techniques. 10
- (b) Describe the framework for multimedia system. 10
2. (a) Describe the role of multimedia in various applications. 10
- (b) Write short notes on the following :
  - (i) DVI technology.
  - (ii) MPEG standard. 10

**UNIT-II**

3. (a) What are the barriers to widespread use of authoring & presentation system ? 10
- (b) Explain Multimedia service architecture in detail. 10
4. (a) Explain the various data models for multimedia and hypermedia information. 12
- (b) What do you mean by Media stream protocol ? 8

### UNIT-III

5. (a) Describe the architecture for network based multimedia services. 7
- (b) Differentiate Media services & Session services, and give their types. 7
- (c) Write short note on Teleconferencing system. 6
6. (a) Explain the significance of multimedia interchange format and issue arises in their designing. 10
- (b) Write a note on Animation and its application in the field of multimedia. 10

### UNIT-IV

7. Write short notes on the following :
- (i) Intelligent multimedia system design. 10
- (ii) Intelligent virtual reality software system. 10
8. What is Virtual reality ? Describe virtual reality operating system and its application. 20